Amendments to the Claims

The listing of claims below will replace all prior versions and listings of claims in the present application.

Claim Listing

1	1. (Currently Amended) A method comprising:
2	determining a first specification for a first set of needed storage regions, wherein
3	the first set of needed storage regions is needed to perform an operation on
4	a logical volume, and the first set of needed storage regions satisfies an
5	intent of the logical volume;
6	searching a plurality of existing storage regions for a corresponding existing
7	storage region for each needed storage region in the first set of needed
8	storage regions; and
9	if no existing storage region is found corresponding to a first needed storage
10	region in the first set of needed storage regions, determining a second
11	specification for a second set of storage regions to be acquired.
1	2. (Currently Amended) The method of claim 1 wherein the second set of
2	storage regions to be acquired comprises at least the first needed storage region.
1	3. (Currently Amended) The method of claim 2 wherein the second specification
2	for the second set of storage regions to be acquired comprises an attribute of the first
3	needed storage region, and a connection between the first needed storage region and a
4	storage object in the logical volume.
1	4. (Currently Amended) The method of claim 3 1 further comprising:
2	using the second specification to acquire a third set of storage regions.
1	5. (Original) The method of claim 4 wherein
2	the third set of storage regions is a subset of the second set of storage regions.

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1	o. (Currently Amended) The method of claim $\frac{3}{2}$ further comprising:
2	acquiring the second set of storage regions; and
3	performing the operation on the logical volume using the second set of storage
4	regions to be acquired.
1	7. (Currently Amended) The method of claim $\frac{3}{2}$ wherein the second set of
2	storage regions to be acquired satisfies the intent of the logical volume.
1	8. (Currently Amended) The method of claim 3 1 further comprising:
2	determining a third specification, wherein the determining the third specification
3	comprises specifying an existing storage region of the plurality of existing
4	storage regions to reserve for performing the operation.
1	9. (Currently Amended) The method of claim 3 1 wherein the second set of
2	storage regions to be acquired excludes a second needed storage region for which an
3	existing storage region of the plurality of existing storage regions is found.
1	10. (Currently Amended) The method of claim 3 1 wherein
2	the operation comprises increasing a size of the logical volume.
1	11. (Currently Amended) The method of claim 3 1 wherein
2	the operation comprises evacuating data from the logical volume.
1	12. (Currently Amended) The method of claim 3 1 wherein
2	the operation comprises relocating data of the logical volume.
1	13. (Currently Amended) A system comprising:
2	first determining means for determining a first specification for a first set of
3	needed storage regions, wherein the first set of needed storage regions is
4	needed to perform an operation on a logical volume, and the first set of
5	needed storage regions satisfies an intent of the logical volume;

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0	searching means for searching a plurality of existing storage regions for a
7	corresponding existing storage region for each needed storage region in
8	the first set of needed storage regions; and
9	second determining means for determining a second specification for a second set
10	of storage regions to be acquired if no existing storage region is found
11	corresponding to a first needed storage region in the first set of needed
12	storage regions.
1	14. (Original) The system of claim 13 further comprising:
2	using means for using the second specification to acquire a third set of storage
3	regions.
1	15. (Currently Amended) The system of claim 14 wherein the third set of storage
2	regions is a subset of the second set of storage regions to be acquired.
1	16. (Currently Amended) The system of claim 14 13 further comprising:
2	acquiring means for acquiring the second set of storage regions to be acquired;
3	and
4	performing means for performing the operation on the logical volume using the
5	second set of storage regions to be acquired.
1	17. (Currently Amended) The system of claim 14 13 further comprising:
2	third determining means for determining a third specification, wherein the
3	determining the third specification comprises specifying an existing
4	storage region of the plurality of existing storage regions to reserve for
5	performing the operation.
1	18. (Currently Amended) A system comprising:
2	a first determining module configured to determine a first specification for a first
3	set of needed storage regions, wherein the first set of needed storage
4	regions is needed to perform an operation on a logical volume, and the
5	first set of needed storage regions satisfies an intent of the logical volume;

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6	a searching module configured to search a plurality of existing storage regions for
7	a corresponding existing storage region for each needed storage region in
8	the first set of storage regions; and
9	a second determining module configured to determine a second specification for a
10	second set of storage regions to be acquired if no existing storage region is
11	found corresponding to a first needed storage region in the first set of
.12	needed storage regions.
1	19. (Currently Amended) The system of claim 18 wherein the second set of
2	storage regions to be acquired comprises at least the first needed storage region.
1	20. (Currently Amended) The system of claim 19 18 wherein the second
2	specification for the second set of storage regions to be acquired comprises
3	an attribute of the first needed storage region, and
4	a connection between the first needed storage region and a storage object in the
5	logical volume.
1	21. (Currently Amended) The system of claim 20 18 further comprising:
2	an acquiring module configured to acquire the second set of storage regions to be
3	acquired; and
4	a performing module configured to perform the operation on the logical volume
5	using the second set of storage regions to be acquired.
1	22. (Currently Amended) The system of claim 20 18 further comprising:
2	a third determining module configured to determine a third specification, wherein
3	the determining the third specification comprises specifying an existing
4	storage region of the plurality of existing storage regions to reserve for
5	performing the operation.
1	23. (Currently Amended) A computer-readable medium comprising:
2	first determining instructions configured to determine a first specification for a
3	first set of needed storage regions, wherein

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4	the first set of needed storage regions is needed to perform an operation on a
5	logical volume, and
6	the first set of needed storage regions satisfies an intent of the logical volume;
7	searching instructions configured to search a plurality of existing storage regions
8	for a corresponding existing storage region for each needed storage region
9	in the first set of needed storage regions; and
10	second determining instructions configured to determine a second specification
11	for a second set of storage regions to be acquired if no existing storage
12	region is found corresponding to a first needed storage region in the first
13	set of <u>needed</u> storage regions.
1	24. (Currently Amended) The computer-readable medium of claim 23 wherein
2	the second set of storage regions to be acquired comprises at least the first needed storage
3	region.
	25 (Commenter Amended). The committee model amedium of claim 24.22
1	25. (Currently Amended) The computer-readable medium of claim 24 23
2	wherein the second specification for the second set of storage regions to be acquired.
3	comprises
4	an attribute of the first <u>needed</u> storage region, and
5	a connection between the first needed storage region and a storage object in the
6	logical volume.
1	26. (Currently Amended) The computer-readable medium of claim 25 23 further
2	comprising:
3	acquiring instructions configured to acquire the second set of storage regions to be
4	acquired; and
5	performing instructions configured to perform the operation on the logical volume
6	using the second set of storage regions to be acquired.

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1	27. (Currently Amended) The computer-readable medium of claim 25 23 further
2	comprising:
3	third determining instructions configured to determine a third specification,
4	wherein the determining the third specification comprises specifying an
5	existing storage region of the plurality of existing storage regions to
5	reserve for performing the operation.
1	28. (Cancelled)

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